

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS



AAPG

AFRICA REGION

AAPG AFRICA REGION 2013/2014 REPORT

Executive Summary

The year 2013/2014 was a very eventful year for the African Region.

One of the major highlights of the year was the establishment of the Africa Region office after many years of planning. The Africa Region office located in Lagos, Nigeria currently resides in the Nigerian Association of Petroleum Explorationists' (NAPE) office building.

Mrs. Delia Kuye, an alumnus of the University of Reading, England and University of Aberdeen, Scotland was employed as Programs Manager. She assumed office in October 2013 and positive effects of the AR office are already being felt.

The AR Leadership continues to intensify efforts in increasing membership. The numbers of Associate, Student-YP and members (active) have increased from 2012.

With no formal DL assigned to the AR, the region was able to organize a Regional Lecture Program (RLP) in Lagos in Association with NAPE with Dr. Henry Posamentier in September 2013 and a joint SPE-AAPG distinguished lecture in Tunisia in February 2014 featuring Prof. John G. Kaldi - AAPG's Vice President Regions.

Young Professionals activities have grown to levels of significant advantage in the region; with recorded increase in participation from YPs in more countries namely Cameroon, Egypt, Gabon, Ghana, Nigeria, South Africa, Tunisia and Uganda.

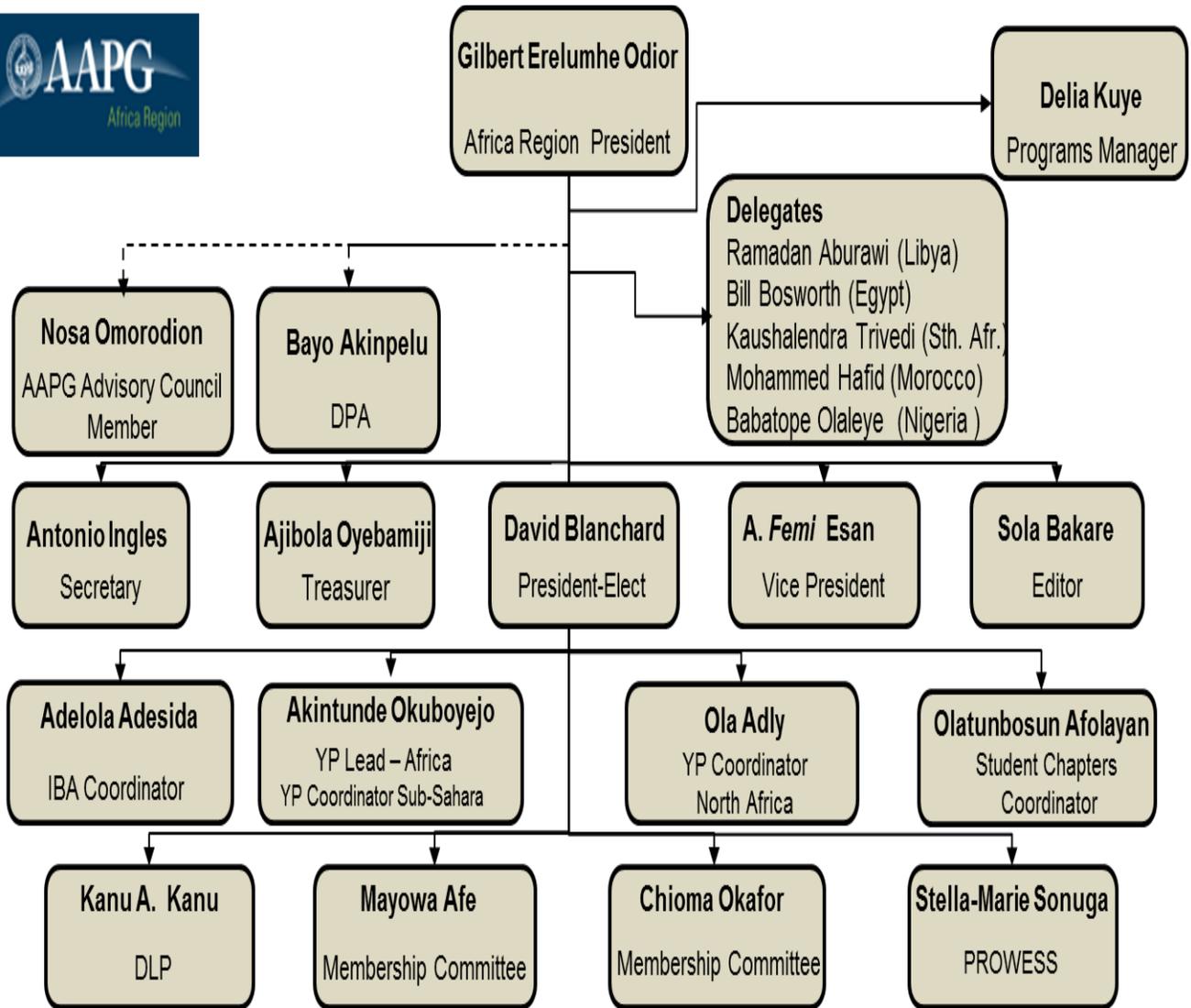
Student Chapter activities also continue to witness significant growth in terms of number of chapters and level of activities. Despite the language barrier, the Region now has 41 Student Chapters in Africa, with new additions from Kenya, Uganda and Ghana.

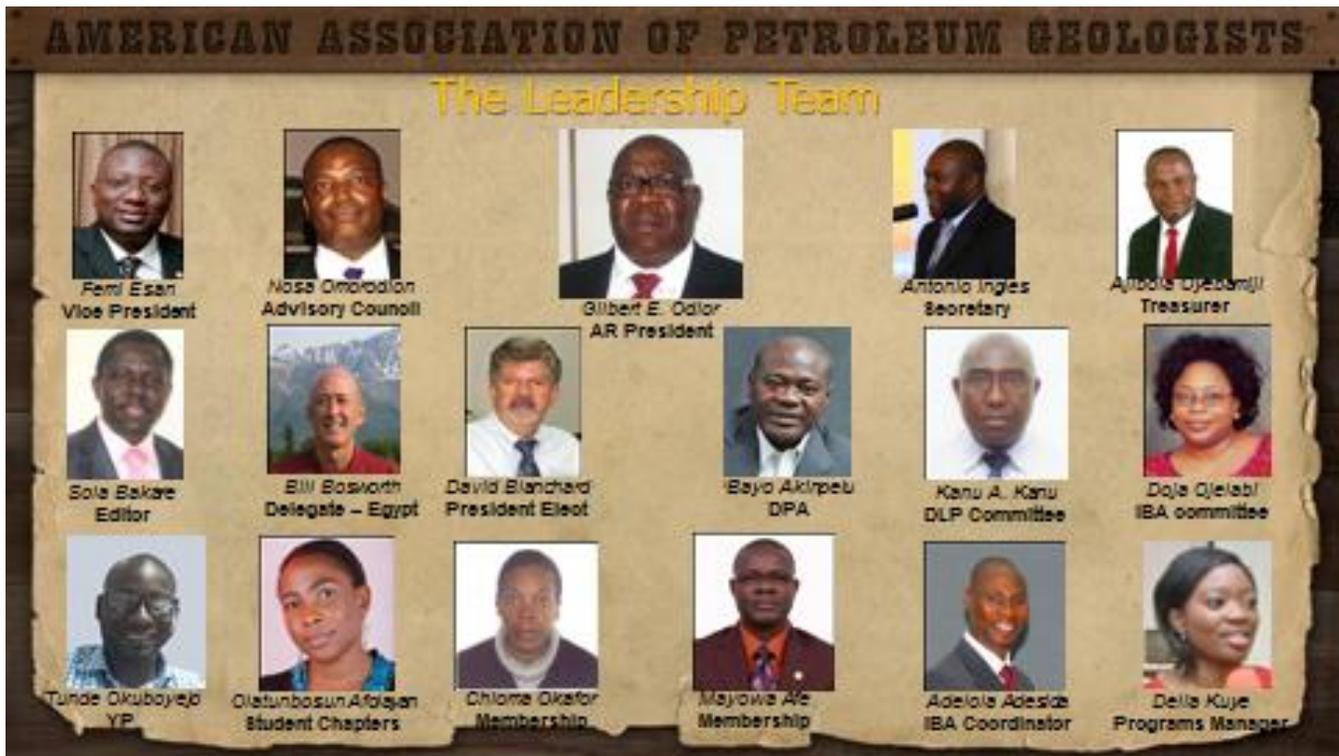
Twenty three universities across Africa registered for this year's Imperial Barrel Award (IBA) competition. Africa Region finals were held in Lagos on 28th February 2014 at Dover Hotel, Lagos. The University of Western Cape emerged winner with the Faculty of Science, Tunis El Manah University and University of Lagos, Nigeria taking second and third position respectively. University of Western Cape represented the Africa Region at the global competition in Houston in April 2014.

AAPG AR inaugurated the Angola Chapter on October 9, 2013 at an event attended by over 200 industry practitioners including Angola's Minister of Petroleum, José M. Botelho de Vasconcelos. Also in attendance were the Managing Directors of Chevron, Exxon, Total, ConocoPhillips, BP, Statoil, Schlumberger and Maersk Oil.

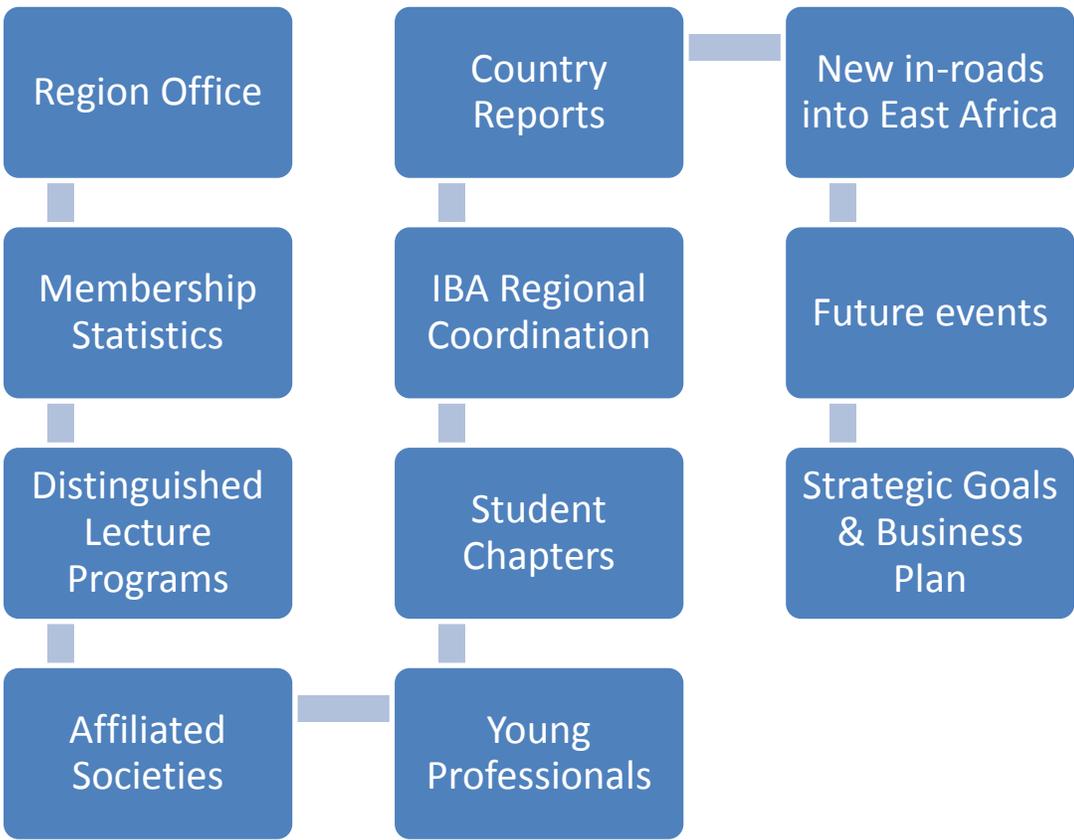
Despite these achievements there is significant untapped opportunity and a need to increase AAPG foot prints on the African Continent. It is imperative that an official AAPG event takes place in the not-too-distant future.

ARICA REGION ORGANIZATION STRUCTURE





2013/2014 AAPG AFRICA REGION ACTIVITIES AT A GLANCE



AAPG AFRICA REGION OFFICE, LAGOS

AAPG's Nigerian Affiliate, the Nigerian Association of Petroleum Explorationists, NAPE offered office space to AAPG within the NAPE Secretariat in Lagos. The office space was inspected by the AAPG leadership in 2013. It measures 9sqm and has shared amenities with the rest of the secretariat. Renting of this office space was based on an MOU between AAPG and NAPE – which was finalized and signed in October 2013. The following summarize the terms contained in the MOU:

- NAPE will charge the AR rent for the region office equal to the rent paid by SPE, with current and future rent adjustments.
- The AR Programs Manager will be functionally accountable to the AR Executive Committee and the AAPG HQ, and to the NAPE Executive Director.
- AAPG will pay the Programs Manager through NAPE, i.e. NAPE will pay the officer the benefits as agreed with AAR and shall subsequently be reimbursed by the AR for same.
- NAPE will charge the AR an administrative fee for this service, as well as bank charges incurred by NAPE for performing the service to AAPG.

Renovation was carried out by NAPE on behalf of AAPG, and the space was fitted with an air conditioner before the hiring of the Programs manager in October. AAPG initiated purchase of new office furniture through NAPE which was completed in November 2013.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
Programs and Events 2013-2014

AAPG Region Office

- ◆ Established in October 2013 at the NAPE Secretariat in Lagos, Nigeria.
- ◆ Staffed by AAPG Programs Manager for Africa Region.
- ◆ To bring AAPG closer to Africa based members & enable members obtain better access to AAPG programs and services.
- ◆ To provide membership and support of various types for the Africa-based membership of AAPG.
- ◆ To mitigate various challenges encountered within the region.

AAPG Programs Manager in her office, Lagos

NAPE Secretariat in Lagos, Nigeria

*Programs Manager
Delia Kuye*

HIRING OF THE PROGRAMS MANAGER

The Region leadership team conducted a panel interview for shortlist candidates in August 2013. After review of overall qualifications Delia Kuye was recommended for the job. Delia holds a B.Sc. in Geology from the University of Reading, England and an MSc. in Petroleum Geology from the University of Aberdeen, Scotland. A successful telephone interview from Tulsa was also conducted for her by Carol McGowen and Alan Wegener from the AAPG headquarters in Tulsa. Delia was offered employment in Late September 2013 and she started in her new position at the Region office on 3rd October 2013.

Upon her resumption at the new office, Delia underwent a one week job orientation at the HQ in Tulsa in October 2013. In her position as Programs Manager, Delia works closely with the leadership team. She has been involved in

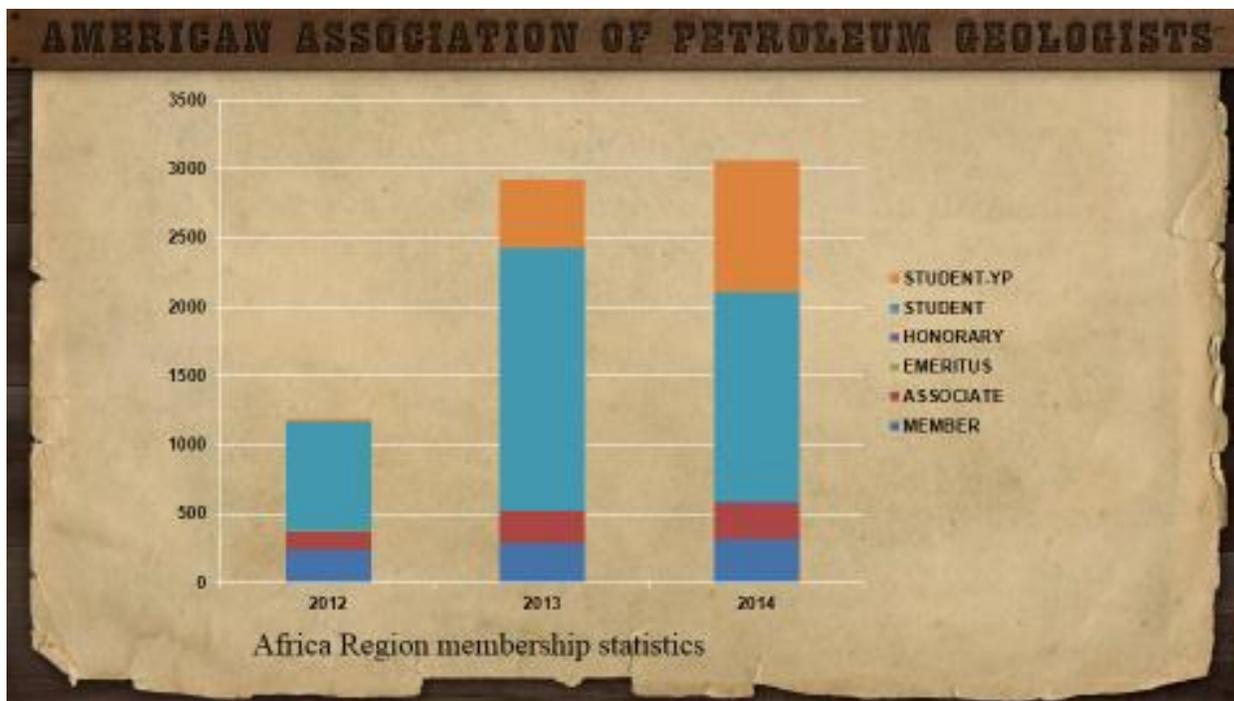
the development and deployment of programs and services for AAPG Africa and assists the leadership in proffering solutions to geoscience challenges within the region. She is also involved in business development, office administration, liaison, membership support and events coordination for AR activities.

MEMBERSHIP

Africa Region Membership statistics 2012-2014

AAPG AFRICA REGION MEMBERSHIP 2012-2014								
	2012	% Total 2012	2013	% Total 2013	2014	% Total 2014	%2012-2013	%2013-2014
MEMBER	244	20.59	292	9.98	313	10.22	16.44%	7.19%
ASSOCIATE	130	10.97	227	7.76	263	8.59	42.73%	15.86%
EMERITUS	4	0.34	4	0.14	4	0.13	0.00%	0.00%
HONORARY	3	0.25	3	0.1	3	0.1	0.00%	0.00%
STUDENT	792	66.84	1899	64.9	1521	49.67	58.29%	-19.91%
STUDENT-YP	12	1.01	501	17.12	958	31.29	97.60%	91.22%
TOTAL	1185	100.00	2,926	100	3,062	100	59.50%	4.65%

Africa Region membership statistics



Active, associate and student-YP members have increased from 2012 values, with student-YP numbers showing the most significant increase. Emeritus and Honorary member numbers have remained constant while student membership has shown a 20% decline from 2013 to 2014.

The language difference for non-English speaking Africa countries has reduced communication effectiveness across the region. Low salaries and problems with dues payment is still a major issue across countries in the region, as some local bank credit/debit cards are not accepted via the AAPG online membership payments portal. This

challenge continues to impact on active and associate member figures, and also affect the planning, organization and attendance of events.

However, the presence of the newly established region office is helping to mitigate some of the challenges in the region. The frequently updated AR website, periodic e-mail blasts, quarterly e-newsletter and social networking sites including Facebook are being employed as tools to enhance effective regional communication.

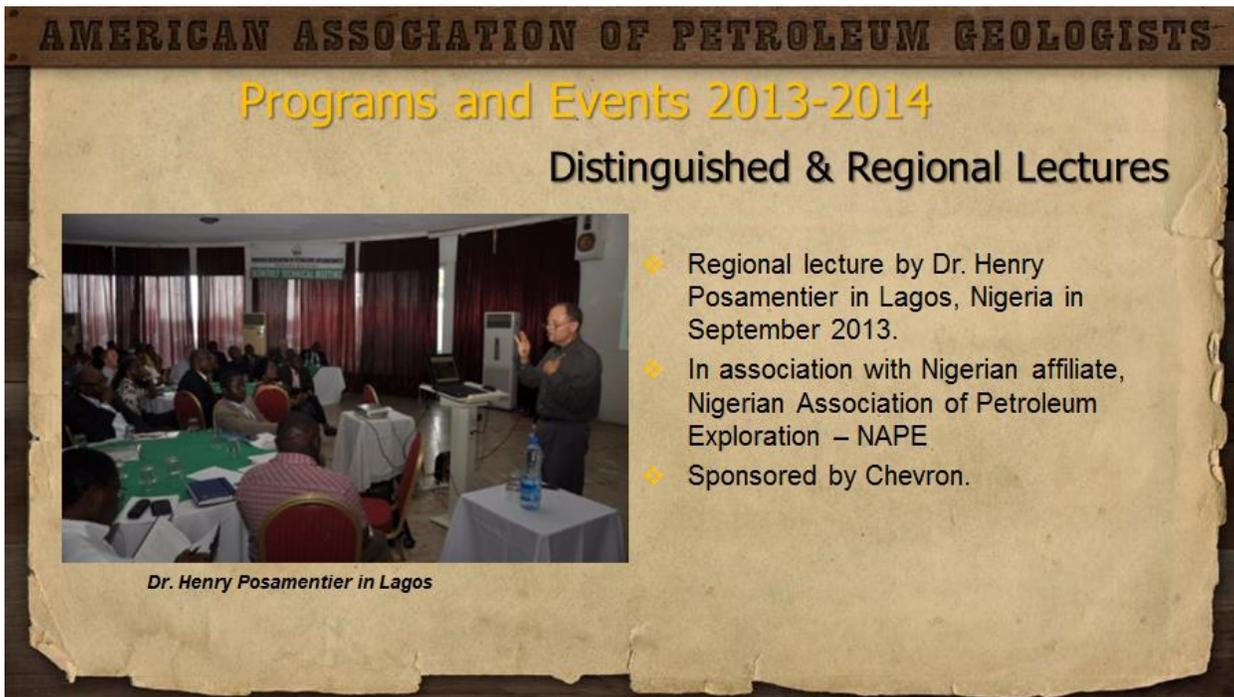
Membership payments can now be made at the office with a targeted awareness campaign of the presence of the office for enquiries and provision of membership support. However, remitting membership payments made at the region office to headquarters and the resulting delay in processing times remains a challenge that must be resolved between the region and headquarters in order to facilitate membership increase and effectiveness.

DISTINGUISHED AND REGIONAL LECTURES

The distinguished lecture program was discussed extensively at the AAPG ACE in Long Beach, California in April 2012. The key action item from the meeting was that a list of distinguished lecturers would be made available to the Africa Region in order for the Region to choose suitable distinguished lecturers who would potentially tour the Region in 2013. However, the Region never received any list as promised. Taking a step ahead, the Africa Region hosted Henry Posamentier in September 2013, to a regional lecture program (RLP) in collaboration with the Nigerian Association of Petroleum Explorationists, NAPE in Lagos, Nigeria. This RLP was followed by a joint SPE-AAPG distinguished lecture delivered by Prof. John G. Kaldi in Tunisia in February 2014.

Regional lecture, Lagos 2013

NAPE and AAPG Africa Region jointly hosted a regional lecture delivered by Dr. Henry W. Posamentier - Senior Exploration Advisor, Chevron Energy Technology Company. The lecture took place in Lagos on 28th August, 2013. Turnout for the lecture was impressive as both NAPE and AAPG members were present. The lecture was fully sponsored by Chevron Nigeria.



AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Programs and Events 2013-2014

Distinguished & Regional Lectures

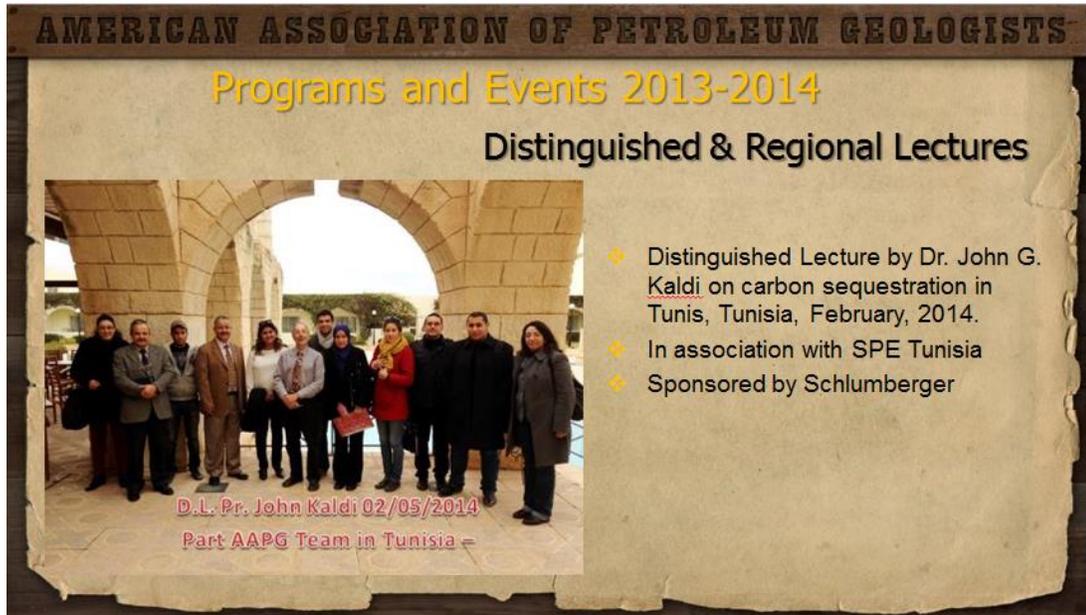
Dr. Henry Posamentier in Lagos

- ◆ Regional lecture by Dr. Henry Posamentier in Lagos, Nigeria in September 2013.
- ◆ In association with Nigerian affiliate, Nigerian Association of Petroleum Exploration – NAPE
- ◆ Sponsored by Chevron.

Regional lecture with Henry Posamentier, August 2013

Distinguished Lecture, Tunis 2014

On February 5th 2014, the AAPG Vice President Regions and SPE Distinguished Lecturer; Prof. John G. Kaldi who serves on the SPE committee for carbon capture and storage delivered a distinguished lecture on carbon capture and sequestration to a joint fora of over 82 SPE and AAPG members. This well attended event took place at the Golden Tulip Hotel, Tunis and provided an opportunity for exchange of ideas between engineers from SPE and geoscientists from AAPG. This is in line with AAPG's commitment towards increased involvement and collaboration with sister societies and our desire for greater inclusivity, integration and partnership. Event collaboration was facilitated by Mr. Chokri Chiboub - Tunisia SPE Section Chair, and Prof. Mohammed Hedi Inoubli of University of Tunis. The lecture was sponsored by Schlumberger.



Distinguished Lecture with John Kaldi in Tunis. February 2014

The Region is proceeding with plans for a regional lecture in September 2014 involving Prof. Terry Engelder – an expert on fracking and shale reservoirs. He is scheduled to deliver a lecture in Cairo, Egypt on 21st September 2014 titled *'The Middle Devonian Marcellus black shale play as an infrastructural and geological analogue for the world's gas shale plays'*. Financial and other obligations are to be worked out by AAPG AR and EPEX.

The challenge faced by the Region in obtaining a suitable distinguished lecturer was discussed extensively during various Africa Region teleconference meetings and at the 2014 ACE in Houston. The region received a list of potential Distinguished Lecturers for 2014-2015 from the Distinguished Lecture Committee, following ACE 2014, from which the leadership team has made a selection of top three DL candidates for the Africa Region. The DLC is to update the regions on the outcomes of their selection in the coming months.

AAPG AR YOUNG PROFESSIONALS

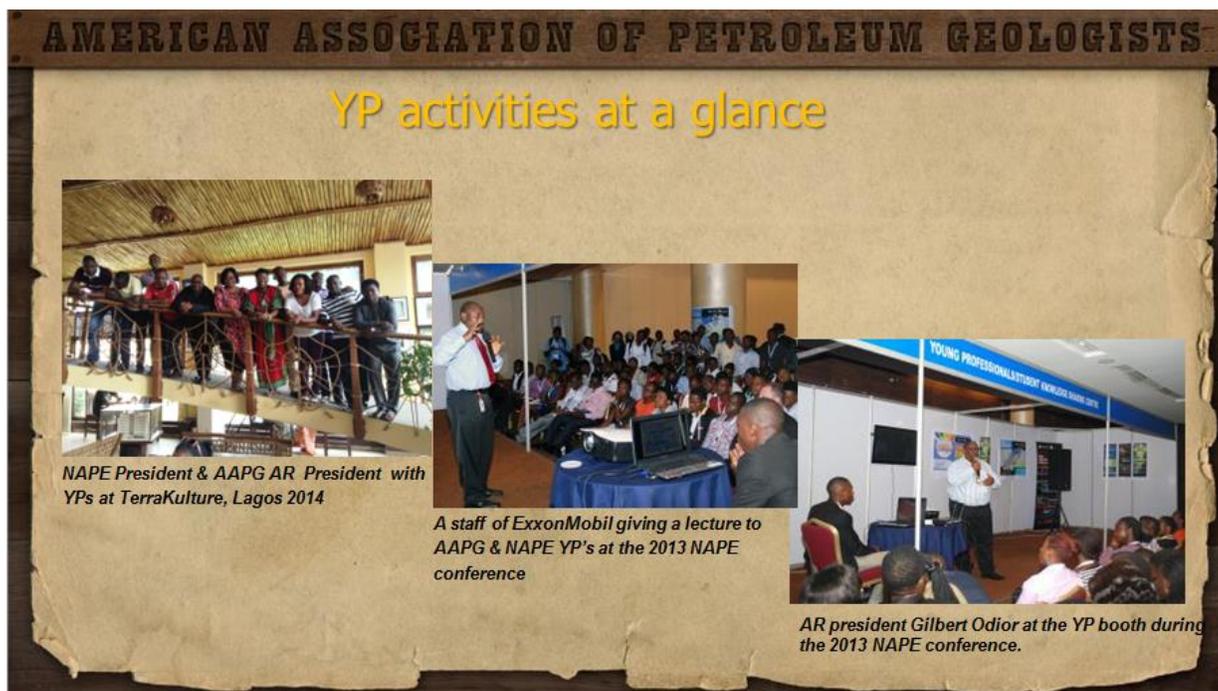
Young Professionals activities have grown to levels of significant advantage in the region; with recorded increase in participation of YPs in more companies and countries. Current activities Include:

- Networking Programs - YP Meet & Greet.
- Educational Activities - Career mentoring sessions, Basin Evaluation Competition, Gain & Give program & Discover Egypt workshop series.
- Student Support Activities - African Geosciences Student Conference Careers fair & AR IBA support.

Nigeria

In Nigeria, the benefits and impact of effective collaboration were easily evident at the Young Professionals booth at the 2013 NAPE conference, Lagos. YPs under the aegis of NAPE-AAPG YP had a successful outing at the conference. The feedback from participants and post-conference reflection exercise reflected the strength of collaboration. YP activities at the NAPE conference included Career Mentoring sessions – made up of Oil and Gas Industry key note addresses, engagements by industry experts on career guidance and choice of specialization, geoscience focus and the need for it, entrepreneurial skills, financial aid and leadership skills.

Other events included the YP Meet n Greet – An informal networking/mentoring session that had over 250 people in attendance - a conference enriching event called the Barrel Odyssey and the Basin Evaluation competition. Active participation of most YPs has given rise to a more connected group of individuals willing to volunteer in the various activities of the association. Highlights of these events have been published in the maiden edition of the region's e-newsletter.



YP activities at the 2013 NAPE conference in Lagos.

Egypt

The Egypt YP team launched a series of educational and networking programs for the students and YP communities which have become annual events with visible increase in participation and industry support over the years. They include Discover Egypt, IBA Simulation, Gain n Give Program and the Al Amal training program.

In June 2014, Egypt YPs gathered for a restructuring of the group's management and programs including the IBA simulation, and to discuss solutions to challenges encountered by the team. A report on their activities was submitted to the AR office in June.

Gabon

YP activities in Gabon are currently run by Shell geologists as part of their organizational Young Professional Network group. Effort is currently geared at involving people from academia to fully integrate into this initiative. There has been an increase in the number of registered members after the first networking session which occurred in Q3, 2012.

Cameroon

A second meet n greet session for YPs and students was held in Q4 2012. There have been no new recorded YP activities in this country. However, effort is been made to reach out to the available YPs as registered on the global membership

Uganda

A contact meeting is yet to be held, however we have identified with the Academia in this country especially as there exists a very active student chapter. The participants of the 2014 IBA competition will be used as ambassadors in establishing YP and other AAPG activities in this country.

Ghana

Student and YP activities are on the increase in Ghana, as they have enjoyed a first-hand opportunity of being at the 2013 NAPE conference, participated at the regional leadership summit and were also present at the 2014 IBA competition. It is hoped that the exposure with adequate support, will jumpstart the country in the development of their student and YP focused activities.

South Africa

The region has enjoyed and encouraged the yearly appearance of graduate students at the IBA competition. With South Africa representing the region at the global event, the region will be using the opportunity to generate more commitment for other AAPG students and YP activities.

Tunisia

Tunisia first participated in the IBA competition in 2013 with the Faculty of Science, University of Tunis, El Manah representing the country. In 2014 two teams from Tunisia participated in the event, indicating a growing awareness of the IBA in this country.

In January 2014, Prof. Hedi Inoubli, faculty Advisor for the Faculty of Science, Tunis indicated interest in volunteering for AAPG in Tunisia. He is now country representative for AAPG and he has shown keen interest in propagating AAPG programs in Tunisia. With Inoubli on-board working together with AAPG AR leadership team, Programs manager and YP Leads, we hope to see more AAPG student & YP activities in this country.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Region-wide YP involvement 2012 - 2014

AAPG Young Professionals in Africa – Country Participation

Countries	Level of Participation 2012/2013	Level of Participation 2013/2014
Algeria	Stalled	Stalled
Angola	Stalled	Stalled
Chad	Stalled	Stalled
Egypt	Active	Active
Ghana	Stalled	Stalled
Libya	Stalled	Stalled
Mozambique	Stalled	Stalled
Nigeria	Active	Active
Tunisia	Stalled	Stalled
Kenya	Stalled	Stalled
Morocco	Stalled	Stalled
Somalia	Stalled	Stalled
South Africa	Stalled	Stalled
Tanzania	Stalled	Stalled
Uganda	Stalled	Stalled
Other Countries	Stalled	Stalled



Are you a Young Professional or Mature but Young @ heart???

And currently practicing in the Africa Region

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<http://www.aapg.org/about/aapg/overview/committees/youngpros>

www.facebook.com/AAPGYoungProfessionals

LinkedIn – AAPG Young Professionals

Africa Region YP Lead:

Akintunde.Okuboyejo@shell.com

Region-wide YP involvement 2012 - 2014

OUTLOOK & STRATEGIES FOR 2014 – 2015

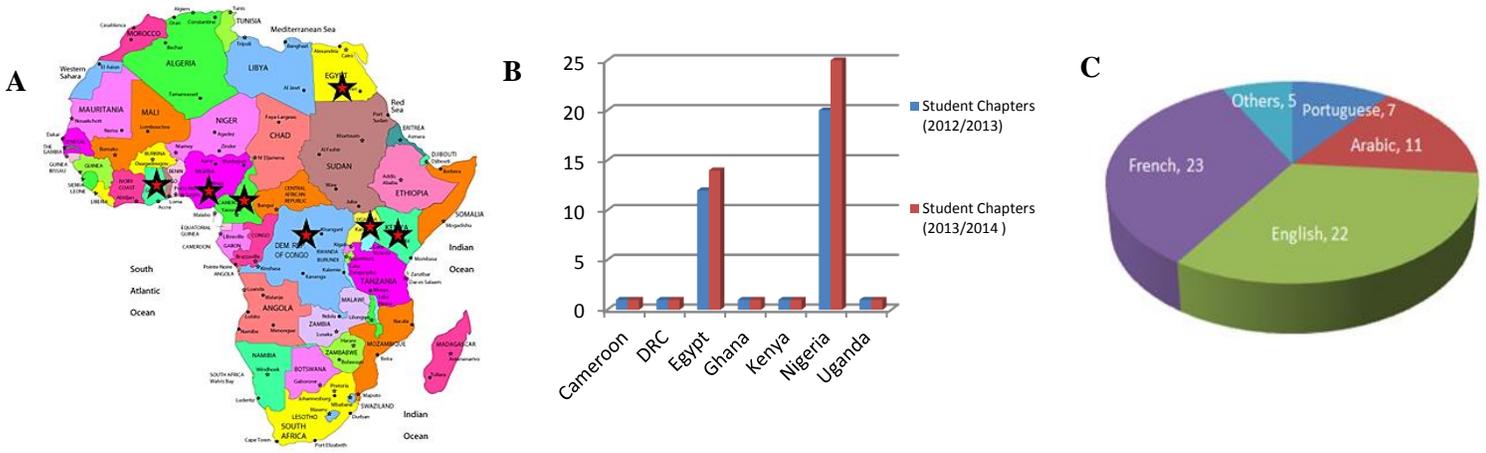
- The YP leadership has been split into two to increase effectiveness in coordination. North Africa is led by Ola Adly (Khalda Energy, Egypt). Akintunde Okuboyejo (Shell, Nigeria) is the sub-Saharan region coordinator, & YP lead for the Africa Region.
- The Region's goal is to increase YP numbers by active company membership scouting.
- NAPE and other affiliates shall be utilized as vehicles for sourcing new members into AAPG YP.
- Surveys and questionnaires are to be generated to determine knowledge and expectations of existing and potential YP members.
- To provide alerts on job opportunities for graduates/graduating students through awareness and social media publicity.
- There will also be effective collaboration with local associations in their various activities towards providing student and YP education support, mentoring and Networking opportunities.

There is no doubt that the YPs have a strategic role to play in the future of hydrocarbon exploration and development. The Region will continue to create an enabling environment for empowerment and capacity building in the lives of Young Professionals.

STUDENT CHAPTERS

Student Chapters growth

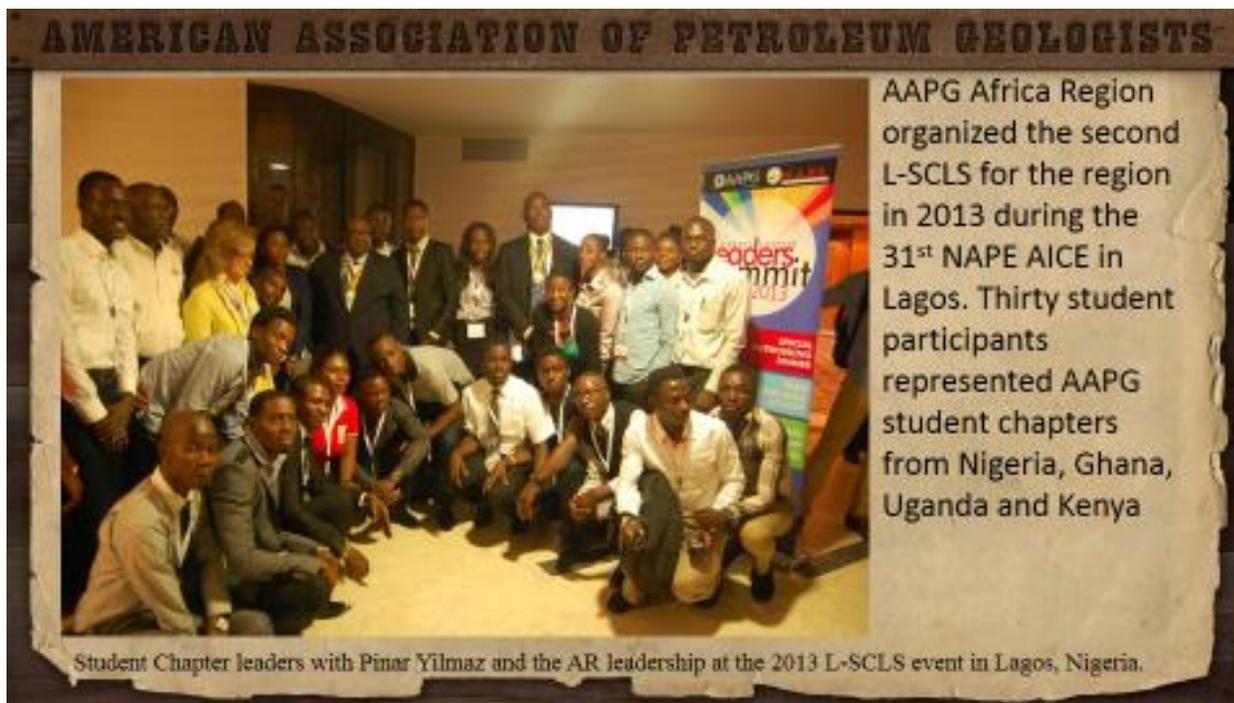
AAPG Africa Region operates in English. Only 22 out of 52 of the African countries have English as her official language (or one of the official languages). In spite of the language barriers, the Region continues to witness an increase in the number and spread of AAPG Student Chapters across the region. We have recorded 41 Student Chapters in Africa, with new additions from Kenya, Uganda and Ghana. With a number of applications recently submitted from Nigeria, Egypt and Tunisia, numbers will continue to increase.



A. Student Chapters distribution across Africa B. Student Chapter count 2012-2014 C. Language distribution in Africa.

Local-Student Chapter Leadership Summit (L-SCLS)

Following the success of the maiden regional L-SCLS organized at the 2012 NAPE Conference, the region again had thirty one (31) student leaders from Nigeria, Ghana, Uganda and Kenya come together for the second time in 2013 at the 31st NAPE AICE in Lagos. Invitees were Student Chapter members in various leadership roles and the goals of the summit were vision building, value creation and development of leadership attitudes. The L-SCLS has become an annual event for the Region and its hosting may be rotated to other African countries in future.



Student Chapter leaders with Pinar Yilmaz & AR leadership at the 2013 L-SCLS event, Lagos, Nigeria.

L. Austin Weeks Undergraduate Grant

AAPG Foundation for the 2013 L. Austin Weeks Undergraduate Grant was awarded to 6 Africa Region Student Chapters.

UNIVERSITY	STUDENT	COUNTRY
Cairo University, Egypt	Mohamed Gebri	EGYPT

Suez Canal University, Egypt	Khairy Wahid	EGYPT
Obafemi Awolowo University, Nigeria	Tolutope Lagunju	NIGERIA
University of Ibadan, Nigeria	Teluwo Lukmom	NIGERIA
University of Ilorin, Nigeria	Faniran Oriyomi	NIGERIA
Makerere University, Uganda	Hillary Mumbere	UGANDA

Recipients of the 2013 L. Austin Weeks undergraduate grant

Visiting Geoscientist Program (VGP)

A regional visiting geoscientist team has been put together for Africa Region student chapters. Volunteers are experienced professionals and YPs who are committed to educational development and AAPG growth. Currently, we have six volunteers in this team who have shown great keenness in delivering geoscience lectures and career talks to student across the region. Visiting geoscientists shall be made available to student chapters upon request or may be assigned to universities.

Proposed initiatives for 2014/2015 (in planned collaboration with affiliates)

- Educational development - More student specific geoscience content that can support academic knowledge such as the Basin Evaluation Competition. Creation of an Industry lecture series for schools to be delivered by geoscience ambassadors.
- Mentoring & student participation - Developing a mentoring scheme for final year students with the participation of professionals & exploring the possibility of building more student participation/interest at conferences.
- Support - To provide logistics /welfare supports for student chapter activities and recognize and reward the contributions of faculties, faculty advisors and students.

2014 Imperial Barrel Award (IBA)

Given the increasing number of universities participating in the IBA yearly, the Africa Region IBA committee decided to uphold the inter-regional semi-final events as a cost effective and yet more accommodating initiative to involve more participating teams in the region; Hence, the Northern Africa semi-final and the Southern Africa semi-final events since 2013.

This year, twenty three schools from Tunisia, Egypt, Uganda, South Africa and Nigeria registered for the program. North Africa semi-finals took place in Cairo on 22nd February with the Faculty of Science, Tunis El Manah University taking first position, followed by Helwan University, Egypt in second place. These two schools represented North Africa in the finals of the competition.

Sub-Saharan semi-finals took place on 27th February in Lagos, Nigeria with the University of Western Cape, South Africa coming first in this competition, followed by University of Lagos, Nigeria in second place. Both teams represented Southern Africa at the finals.

Africa Region finals were held in Lagos on 28th February 2014 at Dover Hotel, Lagos. The University of Western Cape emerged winner with the Faculty of Science, Tunis El Manah University and University of Lagos, Nigeria taking second and third position respectively. University of Western Cape represented the Africa Region at the global IBA competition in Houston by April 2014.

2014 AAPG- AFRICA REGION IBA BUDGET

2014 AAPG - AFRICA REGION IBA SPONSORSHIP					
S/N	COMPANY	PLEDGE	AMOUNT PAID (NAIRA)	EXPECTED AMOUNT \$	AMOUNT PAID (\$)
1	APACHE EGYPT			\$10,000	\$10,000
2	EXXONMOBIL GLOBAL			\$10,000	\$10,000
3	SHELL GLOBAL			\$10,000	\$10,000
4	GLOBAL TOTAL			\$30,000	\$30,000
5	EXXONMOBIL NIGERIA	NGN 2,475,000	NGN 2,359,000	\$14,297	\$14,297
6	FIXITAL	NGN 500,000	NGN 500,000	\$3,030	\$3,030
7	CHEVRON NIGERIA	NGN 3,800,000	NGN 3,800,000	\$25,000	\$25,000
8	AFREN	NGN 1,650,000	NGN 1,650,000	\$10,000	\$10,000
9	GEOTERRAIN	NGN 100,000	NGN 100,000	\$606	\$606
10	NPDC	NGN 500,000	NGN 500,000	\$3,030	\$3,030
11	DEGECONEK NIGERIA	NGN 100,000	NGN 100,000	\$606	\$606
12	TOTAL NIGERIA	NGN 2,475,000	NGN 2,475,000	\$15,000	\$15,000
13	EMR	NGN 150,000	NGN 150,000	\$909	\$909
14	IBA 2013	NGN 2,475,000	NGN 2,475,000	\$15,000	\$15,000
	TOTAL NIGERIA	NGN 14,225,000	NGN 14,109,000	\$87,478	\$87,478
1	TOTAL INCOME	NGN 14,225,000	NGN 14,109,000	\$117,478	\$117,478
2	TOTAL EXPENDITURE			\$72,629	\$72,629
3	BALANCE			\$44,849	\$44,849



Basin Evaluation Credit Course

Integrating a Basin Evaluation course with credits into the geoscience curricula of universities across Africa to support students' preparation and bring the best out of students within the Region in future IBA competitions was discussed extensively during the Africa Region leadership meeting held at ACE, Houston 2014. The Africa Region began work on these objectives in Late April 2014. Letters to institutions in charge of universities' curricula were

prepared alongside the Petroleum Prospecting course outline and a PowerPoint presentation. These were mailed to the various institutions in May. So far, positive responses have been received from Tunisia, Uganda and Nigeria regarding their willingness to incorporate course into their curricula. Respondents requested for support from AAPG in sourcing experienced professionals who would deliver the course at their departments. An email is being prepared to respond to their request. AAPG AR or NAPE does not control the professionals in the industry and do not also have the resources to sponsor the training from place to place.

We however suggest that the Universities should approach industry in their locality to request technical help with suitable personnel for effective delivery of this type of course. The universities can also contract service/training providers like Danvic, Degeconek etc. for 2-3 weeks training on this type of proposal. AAPG is planning to have a two day Basin Evaluation course during the 2014 NAPE Conference and logistics is yet to be sorted out

ANGOLA COUNTRY REPORT

AAPG Africa Region – Angola Chapter Inauguration

After months of deliberation and planning, the Angola chapter of the AAPG AR was inaugurated on 9th October, 2013 at the Hotel Tropico in Luanda. The event had over 200 attendees comprising professionals, students, government representatives & other stakeholders.

The Angolan Government was ably represented by Angola's Minister of Petroleum, José M. Botelho de Vasconcelos, who delivered the keynote speech in which he acknowledged AAPG as a world class professional organization, and stressed the numerous benefits Angola stands to gain from this initiative. Also in attendance were the Managing Directors of Chevron, Exxon, Total, ConocoPhillips, BP, STATOIL, Schlumberger and Maersk Oil. A total of about 200 people were present.

Christian Seyve of Total Angola delivered the technical presentation "Mussulo Bay: A Modern Analog for Key Angolan Oilfields." The event had the patronage and attendance of distinguished personalities including Sonangol's administrator for upstream and managing directors of Chevron, ExxonMobil, Total, ConocoPhillips, BP, Statoil, Maersk Oil and Schlumberger.

Field trip – Mussulo Bay

AAPG Angola Chapter organized her first field trip on November 16, 2013. The field trip had twenty five participants made up of geoscience students and earth scientists from international and local companies including BP, ExxonMobil and Total. The field trip focused on modern wave dominated Barrier Island/Lagoon Systems of Mussulo bay being flow unit analogues for Cretaceous reservoirs of Angola. The trip was planned by members of AAPG Angola Chapter headed by Antonio (Ginho) Ingles and sponsored by Chevron Angola. Tony Lomando and Ray Garber of Chevron Angola were field instructors.

Angola Chapter Technical Seminar

The Angola chapter held her first technical seminar on 21st May in Luanda. The seminar recorded good attendance. Dr. Malcolm Francis of WesternGeco delivered the lecture on 'Prospectivity of the Ultra-Deep Congo Basin'. The event was sponsored by WesternGeco. The Angola Chapter plans to hold seminars of this nature on a quarterly basis. Presently, seminars are being planned to be held in Luanda in September and October 2014.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

AAPG Angola Chapter



Angolan Minister of petroleum at the Chapter inauguration, October 2013



Cross-section of participants at the inauguration



Angolan Chapter Board Chairman



Field Trip to Mussulo Bay, Luanda, November 2013

Highlights

- Formation of Angola Chapter Board, September 2013.
- Inauguration of AAPG Angola Chapter, October 2013.
- Angola chapter field trip to Mussulo Bay – Wave dominated barrier island and lagoon systems: flow analogues for Angolan Cretaceous reservoirs.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

AAPG Angola Chapter



Networking at the May technical seminar



Dr. Malcolm at the seminar



Angola Chapter board members with with Dr. Malcolm

Imperial Barrel Award

IBA Egypt Simulation: 2013 witnessed the third IBA simulation event which was concluded on the 8th December 2013 at Sky Resort, Cairo. 23 teams from 12 universities across the country participated in the competition. The event had the Honorable Minister of Petroleum Resources of Egypt, Engr. Sherif Ismail in attendance. Also, Egypt hosted the *IBA North Africa Semi-finals* with 6 Egyptian universities and 2 Tunisian universities participating at the event while the University of Tunis, El Manah, Tunisia emerged winner.

Field trips

A Field trip was organized for recent earth science graduates by Apache Egypt in conjunction with the Al Amal training program. 41 students from 13 universities were present.

Short courses and workshops

AAPG student chapters benefited from short courses and workshops taught by Apache Egypt professional staff. 7 classes were taught covering Seismic Exploration, Petrophysics, Petroleum Systems, Wellsite Procedures, and Subsurface Mapping. 133 students in total have attended these classes.

Discover Egypt – This is a series of workshops aimed at introducing the geology of each province within Egypt with main focus on seismic and sedimentary characterization and features of petroleum system elements. Three workshops have been successfully achieved covering the Nile Delta and Western Desert petroleum system provinces.

Gain & Give Program – This is an initiative targeted at providing more information about the various geology specialist courses to 3rd year students at the University. This is to ensure that they have broader appreciation of the various fields of geology as well as information on how to identify and leverage on their academic strengths. Sessions and workshops held so far include Seismic Acquisition, Processing & Interpretation, Sedimentology, Stratigraphy, Petroleum Systems, Volumetric Calculation, Petrophysics & well logging, Human Safety & Environment, Curriculum Vitae writing and Presentation skills.

KAYAN Ventures

AAPG Young Professionals “KAYAN Ventures” provides resources and expert advice for young earth scientists in Egypt interested in pursuing start-up companies specifically in the fields of alternative energy supply, mining and geo-hydrology.

Activities in Egypt 2013-2014



Sherif Ismail,
Egyptian Petroleum Minister

GHANA COUNTRY REPORT

University of Ghana, Legon AAPG Student Chapter

In November 2013, two representatives from the student chapter were invited to participate in the 2013 L-SCLS in Lagos, Nigeria. The Chapter representatives were Ms. Marisca Obeng (Student Chapter President) and Ms. Abigail Ayikwei (Student Chapter Secretary). Both representatives of the Student Chapter returned to brief chapter members on what the summit was about and the way forward to ensure development of the Chapter. They also encouraged new AAPG membership registration from freshmen, which has led to a significant increase in the number of AAPG student chapter members at the school since the summit last year. Dr. Jacob Kutu, faculty Advisor of the University of Ghana, Legon, and Ms. Marisca Obeng – President of the University of Ghana Student Chapter were invited to witness the Southern Africa semi-final competition in order to prepare the Ghanaian Schools for the 2015 IBA competition.



2014 Africa Geoscience Students Conference (AGSC)

This year's AGSC summit themed 'Exploring the depth and breadth of the geosciences' took place from 21st – 24th May at Kwame Nkrumah University of Science and Technology, Kumasi, Ghana. The summit featured paper and poster presentations, a near-surface summer school & a field trip. Special technical and career sessions were delivered by invited technical professionals including Dr. Susan Webb of the University of Witwatersrand, South Africa, AAPG AR President & President Ghana Institution of Geoscientists, GhIG. AAPG President delivered a keynote address on 'Finding and maintaining a geoscience job in Africa' to the audience of about 100 attendees, while AR Programs Manager delivered a presentation on the benefits of AAPG membership and the formation of student chapters. A social networking evening was organized to enable students interact with invited professionals in an informal and relaxed atmosphere.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

AGSC Kumasi 2014



A student presentation



Cross section of participants



Invited professionals

NIGERIA COUNTRY REPORT

NAPE/AAPG – 20 years of affiliation

In the year 1994, AAPG/NAPE began a long lasting, cordial and mutually beneficial relationship. The year 2014 is significant as it marks 20 years of this positive and mutually beneficial affiliation. This is reflected today in the various geoscience-related activities co-hosted by both societies. Such landmark collaborations include but are not limited to the Field Immersive Program, AAPG/NAPE Young Professional and Student Chapter activities, educational support to tertiary institutions (Journal/Books donation), regional conferences (DOWAC), distinguished lecturer programs, Student Sponsorship including the grants-in-aids scheme, technical and professional seminars / exchanges & membership drives.

The offer by NAPE to provide office space for AAPG in Africa within her secretariat and the opening of AAPG's Africa Region office within the secretariat in Lagos in 2013 also reflects the long term cordiality between both Associations. With the Region office fully functional and the Programs Manager on board, the Region's leadership targets greater levels of collaboration with other affiliates within the region such as is shared with NAPE.

Student & YP activities at 2013 NAPE AICE

NAPE/AAPG AR jointly hosted the Local Student Chapter Leadership Summit (L-SCLS) and Young Professionals events at the NAPE AICE in November 2013.

L-SCLS invitees were Student Chapter leaders. The summit provides the students the opportunity to network and be inspired through contact with geoscience professionals. Other registered students present at the conference were engaged in a career mentoring session, which was geared towards assisting them in career choice. Students and YP

Participants learnt more about industry specialization, such as exploration and operations geology, as well as industry software demo sessions. Selected Industry experts from Shell, Chevron, ExxonMobil, Transocean, Baker Hughes, Degeconek & Sinopec-Addax to mention a few were present. Resume writing workshops and mock interview sessions were organized for the benefit of participants. The students and young professionals also enjoyed a cocktail and freestyle mentoring evening during the conference. It was an opportunity for learning and collaboration. Young geoscience professionals were matched with students and engaged in focused discussions related to growth opportunities within the earth science discipline.

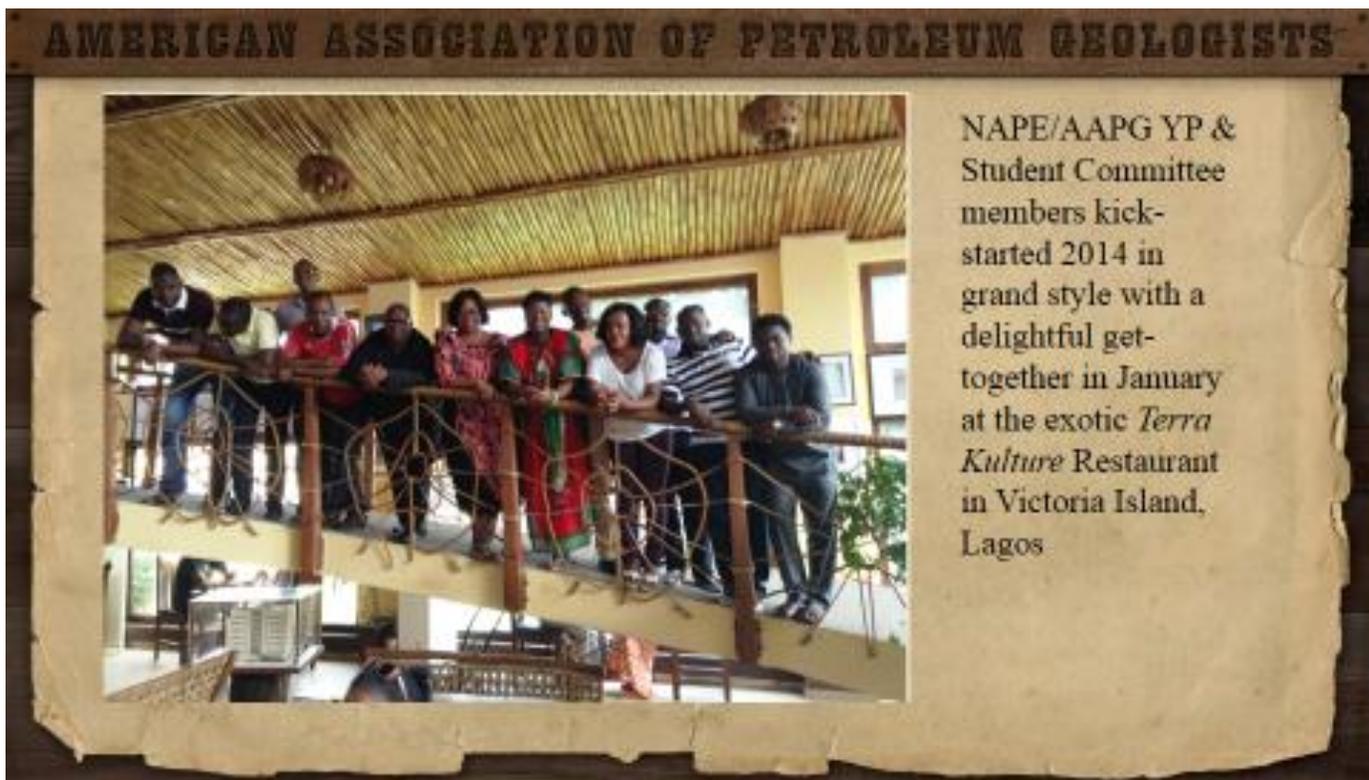
NAPE/AAPG YP get-together, 2014

A get-together was organized by the NAPE/AAPG YP & Student Committee members at *Terra Kulture* Restaurant in Victoria Island, Lagos. The get-together was organized to engender social networking amongst the YP committee members and create an opportunity to reflect on previous achievements. It also provided a rare opportunity for the YPs to cultivate, sustain and champion a renewed impetus for an eventful 2014.

The event was a joyful occasion with refocused YP energy and had in attendance Mr. Gilbert Odior (AAPG President, Africa Region), Mrs. Doja Ojelabi (NAPE President) and other YP committee members.

The NAPE/AAPG YP team has been at the forefront of bridging the gap between students and young oil and Gas professionals thereby creating an enduring platform for the YPs and Students to actualize their dreams of positive contribution to the development of the Oil and Gas industry.

Apart from the fantastic activities and events organized by NAPE/AAPG YPs in previous years, there are a lot more career motivational activities in the offing for 2014 which will assist in creating a knowledge sharing atmosphere between students and young Oil and Gas professionals.



AAPG AR & NAPE leadership with YPs at TerraKulture, Lagos

NAPE Mini (students) Conference 2014

The 7th mini conference of the Nigerian Association of Petroleum Explorationists, NAPE was held from 5-8 June in Port Harcourt, Nigeria. The bi-annual event is organized to encourage active and continuous contribution of

research-based knowledge by tertiary institutions to the Nigerian oil & gas industry. NAPE-AAPG YP's were at the conference to provide education support to students through organized geoscience games & quizzes, Oil & Gas documentaries including 'Switch', and activities such as resume writing sessions and career talks delivered by professionals from Shell & Total .

The exciting world of geology

The Exciting World of Geology initiative was designed by NAPE/AAPG Young Professionals as a geoscience outreach program targeted at high school students particularly across the African Region. The objective is to create early awareness and encourage possible interest in pursuing a career in the geosciences.

The outreach initiative started out with educating student leaders who attended the L-SCLS training, & at the YP booth sessions during the 2013 NAPE conference in Lagos, Nigeria on the need to introduce the exciting world of geology to secondary schools across Africa. Each student chapter was given three (3) CDs entitled "Exciting world of Geology" containing presentations and ten (10) geoscience video clips. The student chapters were then charged to have career talks in 5-10 secondary schools in their vicinity within one year.

Since the 2013 NAPE conference, the Exciting World has been introduced to students, YPs, lecturers and industry professionals - during the Africa Region IBA 2014 final competition in Lagos, at the 2014 AGSC held in Kumasi, Ghana, at the 2014 NAPE mini conference, Port Harcourt, Nigeria and at the inauguration of the Ekiti State University Student Chapter, Nigeria. Presentations have so far been delivered in high schools within Nigeria & Kenya. Schools visited include Greensprings, Lagos, American International School, Lagos, LAUTECH high school Ogbomoso, Nigeria and Turkish International School, Lagos.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

NAPE/AAPG YP Lagos Career Sessions

In line with objectives, the NAPE/AAPG YP Lagos chapter has held career sessions in three schools in Nigeria namely, Greenspring School, Lagos; American International School, Lagos and Canaanland College, Ogbomoso

For anyone interested in speaking to any school around them, 'The Exciting World of Geology' CDs are available at the AAPG office, NAPE Secretariat, Lekki, Lagos.

Africa Young Professionals (YP) designed a Geoscience Career talk (Exciting World of Geology) to create Awareness in our Secondary Schools

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS



Exciting World outreach – Nairobi



Exciting World Outreach - Lagos



Exciting World outreach – Nairobi



Exciting World- AISL, Lagos

SOUTH AFRICA COUNTRY REPORT

In 2012, an IBA simulation competition was organized among ten postgraduate Petroleum Geosciences students at the University of Western Cape. Students were grouped in threes and provided IBA data from previous years for evaluation. A similar IBA simulation competition was arranged in 2013 and the event has come to stay. Fifteen students participated in the 2013 competition. The top four participants in the 2013 IBA simulation represented South Africa in the Africa Region IBA competition held in February. Following the success of the South African team at the 2014 AR IBA competition, Faculty Advisor for the University of Western Cape, Opuwari Mimonitu has committed to making effort to create a student chapter at the university.

In August 2014, a student chapter is to be established at the University of Western Cape & Mr. Tim O Sullivan & K.B. Trivedi of PetroSA, South Africa shall deliver a series of lectures at the geoscience department of the university.

NEW IN-ROADS INTO EAST AFRICA

AAPG AR successfully established a student chapter in Uganda and Kenya in 2012. Following their establishment, student chapter presidents from these countries were invited to participate in the L-SCLS in November 2013. Attending the summit gave these representatives a renewed zeal, drive and a new focus for developing the AAPG student chapters in their respective countries. Upon their return from the summit, these chapter representatives organized short seminars within their departments at which new student members for AAPG were registered,

leading to a significant increase in AAPG student membership in their respective universities. AAPG AR leadership team and Programs Manager have also been working hard at building rapport with faculty advisors of these chapters for the purpose of having an effective and sustained, long term communication in this newly established region.

The participation of Makerere University, Uganda in this year's IBA has also provided a vital link which the region shall fully exploit for the development of YP focused activities in this country.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

East African participation in AR activities



Nairobi University Student Chapter leader Daniel Mtange (right) at the 2013 L-SCLS event.

Daniel Mtange (left) - Kenya & Hillary Mumbere (right) - Uganda at the 2013 L-SCLS in Lagos.

Makerere university (Uganda) IBA team member - Jacqueline Nangendo at the beach after the competition.

FUTURE EVENTS

AAPG operates in English, and only 22 of 52 African countries use English as official language. Many national geoscience associations in Africa are not AAPG affiliates, and there is a low level of interaction amongst geoscience associations in Africa. These challenges to mention a few have created significant barriers to the hosting of regional AAPG workshops and conferences. The region is working towards having more AAPG representatives across Africa and achieving greater levels of collaboration with sister societies and affiliates so as to have a better foothold in achieving her goals on the continent, including those of hosting more local and regional events.

AAPG AR in collaboration with her Nigerian affiliate, NAPE shall commemorate the 20th year of affiliation of NAPE with AAPG during the 2014 NAPE conference in November 2014. To mark the collaboration, AAPG President Randi Martinsen shall deliver the keynote address during the All Conventions Luncheon. Randi is also to deliver an address to YPs on unconventional, in addition to teaching a short course on sequence stratigraphy. Bob Stewart of ExxonMobil is to deliver a short course on Basin Evaluation during the conference with support from Sue Nicholson and Wasiu Odufisan, both of ExxonMobil. An exclusive dinner is also to be included in the activities. A logo to commemorate the event has been designed by AAPG. Souvenirs shall also be produced to mark the event. Randi Martinsen, AAPG President Elect will be delivery a lecture titled “Petroleum is first found in the mind: thought processes and strategies leading to successful unconventional resource plays” at the All Convention luncheon

The region is making preparations to hold GTW's in Angola and Tanzania in Late 2014/Early 2015. Modalities are being worked out by AR and Tulsa. The region intends to get the official support of the Angolan Minister of Petroleum as regards hosting of the Angolan GTW for the purpose of facilitating travel for intending attendees.

Region Conference

AAPG led Regional conference in partnership with sister societies' including EAGE, SEG and SPE is being planned for east Africa. It is currently conceived to be multidisciplinary, bringing together geoscience and engineering and shall be supported by IOCs, NOCs, technical service providers, local companies and geoscience societies. With the AR having made new in-roads in Uganda and Kenya as well as a rapidly developing energy sector, East Africa shall likely be the location for this conference. Nairobi, Kenya is being considered for the event as there are hotel facilities available which can support a conference capacity of 500-700 delegates. The Region plans to hold the conference between late 2015 and 2016. Holding GTWs prior to a Region event have been discussed as an ice breaker, to test keenness for such events in East Africa.

Leadership Days, Utah

The 2014 Leadership Days shall be held in Salt Lake City, Utah in Early August 2014. Attendance by select members of the AR leadership besides David Blanchard is to be decided. AR YP Lead and Student Chapters coordinator have received a confirmation of sponsorship from AAPG to attend the summit. The region is in the process of selecting representatives from North Africa and Sub-Sahara to represent the YP at this year's event.

AAPG-AR 2013-2015 STRATEGIC GOALS AND ACTION ITEMS

Membership

- 1. Goal: Increase active AAPG membership throughout Africa by developing a system whereby AAPG members or new members can always use local currency (credit or debit card, cash) to pay their dues.**
 - Action Item: develop option of having members pay in local currency through the affiliated societies or via online system such as PayPal.
- 2. Goal: Reduce the number of Africa Region Suspended Members by 5% per year (current Members who will be dropped for non-dues payment).**
 - Action Item: Obtain from AAPG HQ updated list of Members in danger of being suspended or recently suspended for non-dues payment plus instructions on steps to reinstatement. (HQ staff)
 - Action Item: Develop personalized letter from Africa Region Leadership encouraging colleagues to pay outstanding AAPG dues in order to retain membership. (President, Immediate Past President)
- 3. Goal: Increase the number of Africa Region voting Members by 7% per year by encouragement and sponsorship of qualified Associate members (Associate members with one year or more industry work experience who are current on AAPG dues payment).**
 - Action Item: Each Region leader should take responsibility for analyzing AAPG membership database to identify co-workers within their company eligible for upgrade from Associate to full Member status. (All Region Leadership)
 - Action Item: Develop a plan appropriate for each company to contact, encourage, and assist co-workers to upgrade their AAPG membership.
 - Action Item: Hold an annual All-Africa Region Membership Meeting during ACE to discuss membership and facilitate AAPG Member sponsors to sign application forms.

Students

4. **Goal: Replicate the Local-Student Chapter Leadership Summit (L-SCLS) model successfully implemented at the 2012 and 2013 NAPE Conference in a new Africa Region target country each year.**
5. **Goal: Promote and Support Educational programs to 12 schools in the Region for knowledge sharing/networking opportunities and importantly to share the values and benefit of AAPG.**
 - Action Item: Involve Faculty Advisors to identify specific and most pressing gaps in their student chapters.
 - Action Item: Form a team that will map these schools and source for industry support especially for teaching aids and professional availability, and key into schools Geoscience week program to deliver lectures, field trips, short courses, workshops or mentoring activities.
6. **Goal: Increase number of Student Chapters from 31 to 50 by December 31, 2015**
 - Action Item: Encourage participating Universities in IBA program to start Student Chapters if there is none existing in their University.
 - Action Item: Continue to make personal contacts in Universities and countries with no Student Chapter, including Region leadership visits to local universities.

Young Professionals

7. **Goal: Increase membership of YP in the Africa Region by 10% per year by encouragement and sponsorship of Student members to move to Associate members as soon as they are qualified.**
 - Action Item: Work with Antonio Ingles to facilitate an Angolan YP event/ reception in 2014.
 - Action Item: Develop a plan to inform current Student members about the Student-YP Bridge, whereby membership dues are \$10 per year for the two-year period immediately following university graduation.
 - Action Item: Have the North African and Southern Africa YP Reps attend the YP Leadership Days to be trained first hand at the Global YP event in preparation for their leading roles in North and South Africa zones.

IBA Program

8. **Goal: Increase the number of countries and Universities participating in the IBA Competition.**
 - Action Item: Rotate the location of the Regional IBA finals event on an annual basis to broaden the base of participating companies, members, and universities.
 - Action Item: Encourage previously non-participating Universities and colleges to organize IBA Teams.
 - Action Item: Encourage participating universities and colleges to give academic credit for IBA participation or otherwise, incorporate IBA into existing course curriculum requirements.
 - Action Item: Develop a plan to increase publicity and awareness of the IBA program by showcasing benefits of IBA participation at affiliate society meetings, Regional events, etc.
9. **Goal: Increased funding and sponsorship base for the IBA program**
 - Action Item: Increase the sponsorship base using AAPG AR network.
 - Action Item: Invite companies operating in each country to mentor and financially sponsor an IBA team from their country.
 - Action Item: Work on getting 2-5 year sponsorship commitments from companies.

Education/Professional Development

10. **Goal: Host at least one regional technical conference annually.**
 - Action Item: Move forward with contacts in Ghana to assess feasibility and optimal dates for a 2014 GTW.

- Action Item: Develop a plan for an Africa Region conference similar to the recent successful European Region conference (in Barcelona) either as an AAPG stand-alone or jointly held with the SPE and/or SEG. Assess feasibility and appetite of each society for holding a joint conference. Possible venues: Ghana, Egypt (Sharm el Sheik), Kenya, Ivory Coast.

Region Leadership Development

11. Goal: Promote cohesive, diverse Region leadership team.

- Action Item: Continue in the scheduling of monthly teleconferences among Region officers, Delegates and committee chairs.

Distinguished Lecturer/Regional Lecturer Program

12. Goal: Develop a lecturer program that will service all industry-active countries in Africa.

- Action Item: Request funds for bona fide AAPG distinguished lecture program.
- Action Item: Working with affiliated societies and local companies in a cost-sharing arrangement with the Region; plan and execute 2 regional lecturer tours

Gilbert Erelumhe Odior, FNAPE
President, AAPG Africa Region